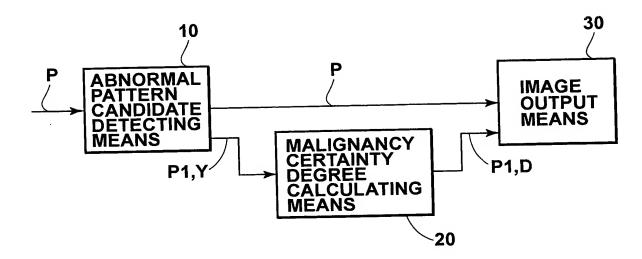
FIG.1

100





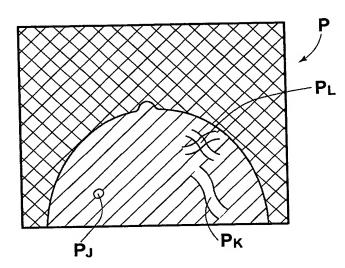


FIG.2B

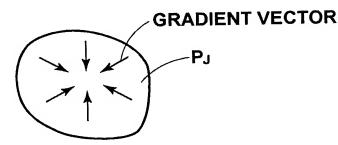


FIG.2C



FIG.2D

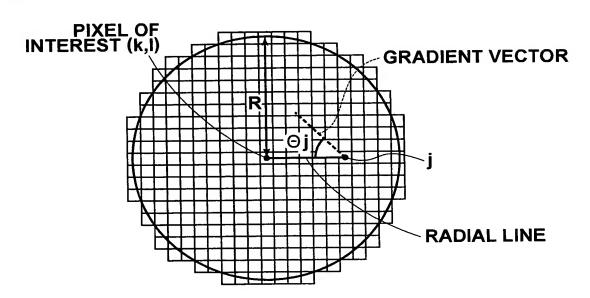


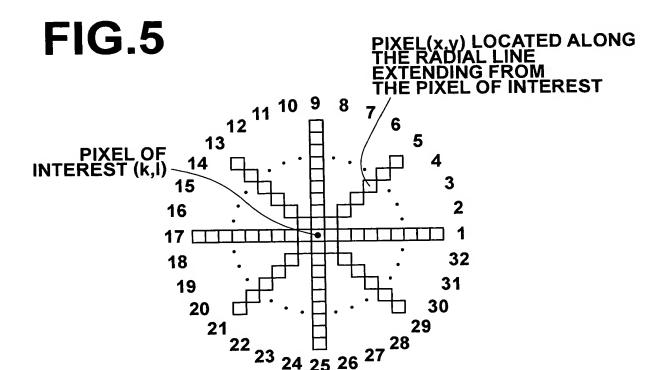
Inventors: H. TAKEO et al. Appln No.: To be Assigned; Filed 10-15-03

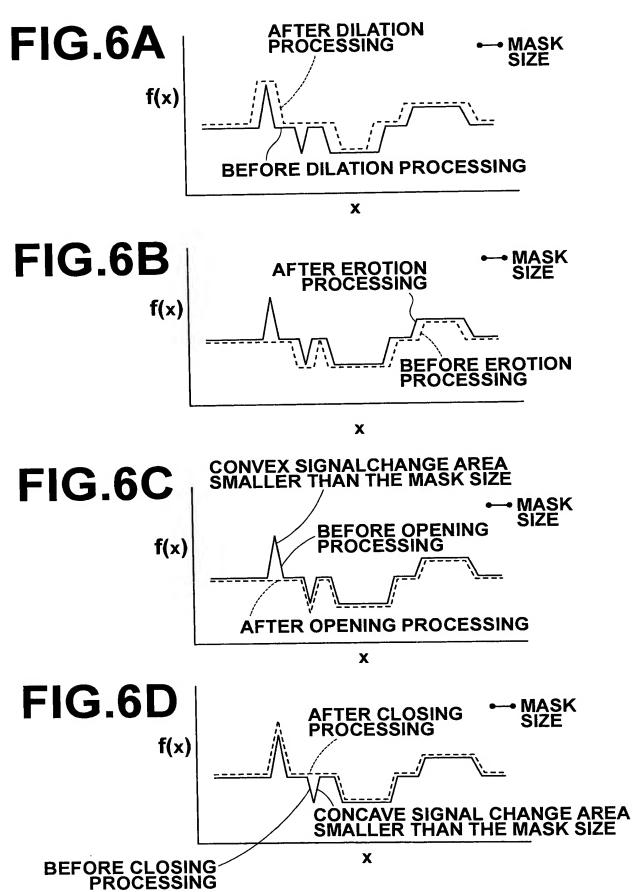
"Abnormal Pattern Candidate Detection Processing Method and System" D. Mexic Tel. No. 202-293-7060; Ref.: Q77911

FIG.3

f ₇	f6	f5	f4	fз	
f8				f 2	
f9		PIXEL j		f1	
f10				f 16	
f11	f12	f 13	f 14	f15	







Inventors: H. TAKEO et al.
Appln No.: To be Assigned; Filed 10-15-03
"Abnormal Pattern Candidate Detection
Processing Method and System"

Processing Method and System"
D. Mexic Tel. No. 202-293-7060; Ref.: Q77911

of 17

FIG.7

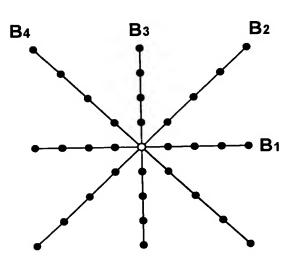


FIG.8

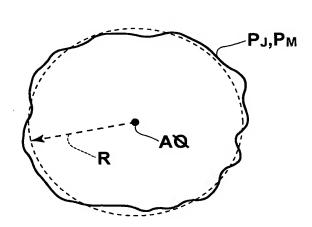
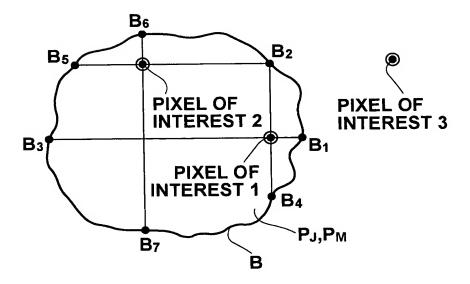
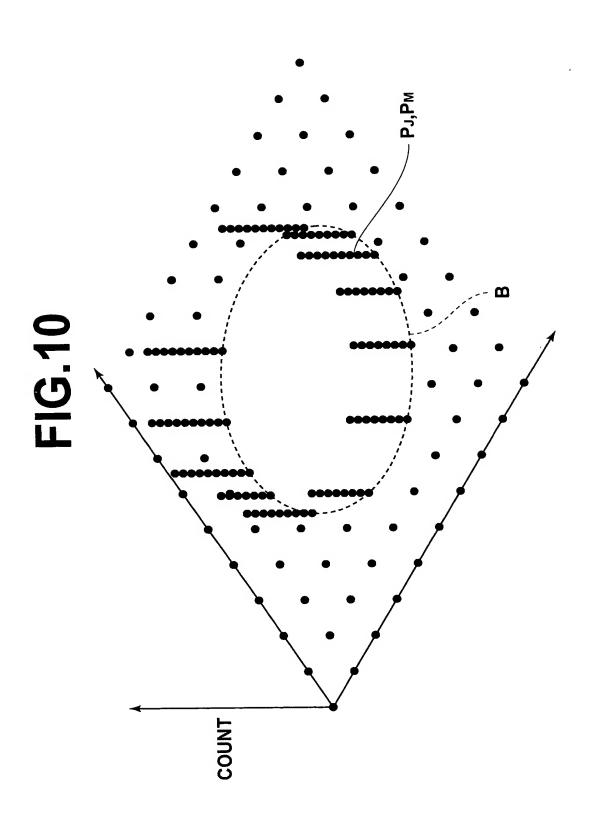


FIG.9





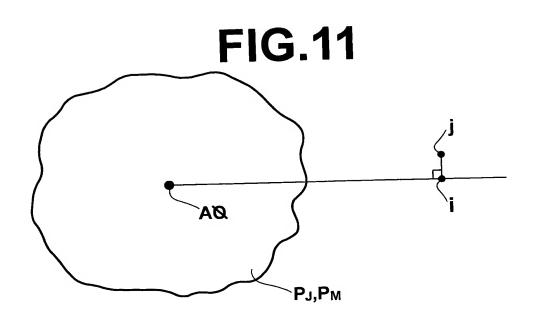
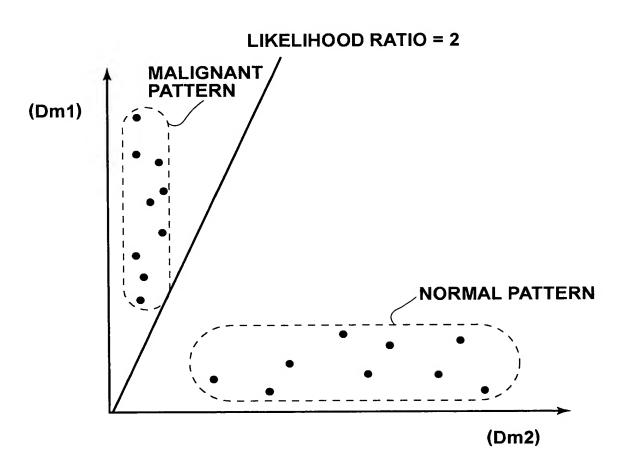


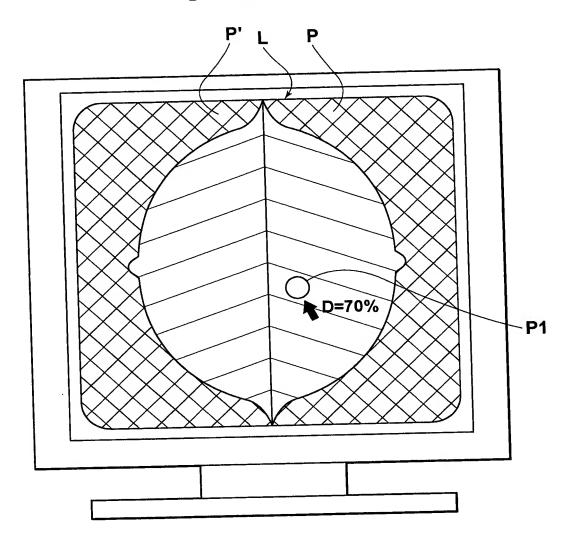
FIG.12

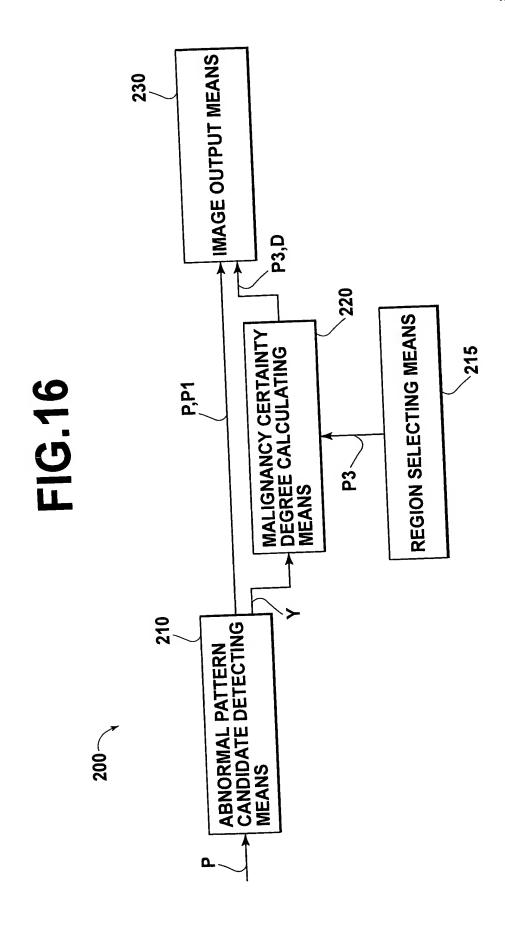
į	0	1	2	3	4	5	6	7	8	9	10
0	1										
1		1									
2									ļ		
3											
4											
5				2					<u> </u>	<u> </u>	
6											
7											
8											
9											
10											

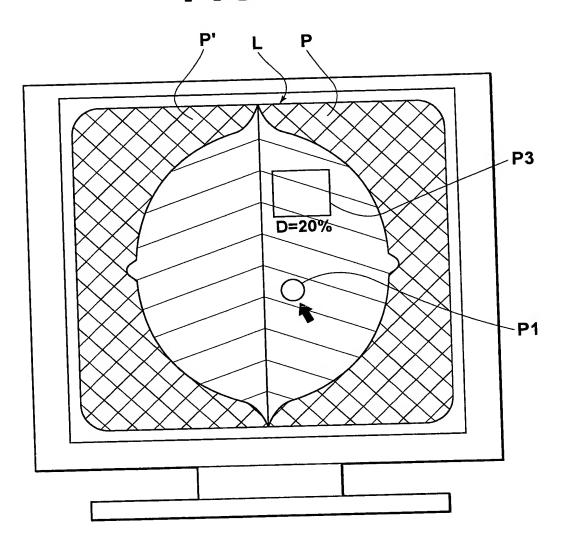


-- MALIGNANT NORMAL -B-BENIGN 4 1,10.5 0.2 6. r LIKELIHOOD RATIO Y OF MAHALANOBIS DISTANCE 8. r 4 7. r 9. r 4 3. r 4 FIG.14 S.r 4 4 ۵ 6.0 8.0 4 ۲.0 4 9.0 3.0 4.0 £.0 2.0 ١.0 100.0% □ 0.0% 30.0% 20.0% %0.02 10.0% 40.0% %0.09 50.0% %0.06 80.0% PROPORTION OCCUPIED BY EACH OF AND THE NORMAL STATE, THE BENIGN STATE, AND THE NORMAL STATE IN THE EXTRACRED CANDIDATE PATTERN

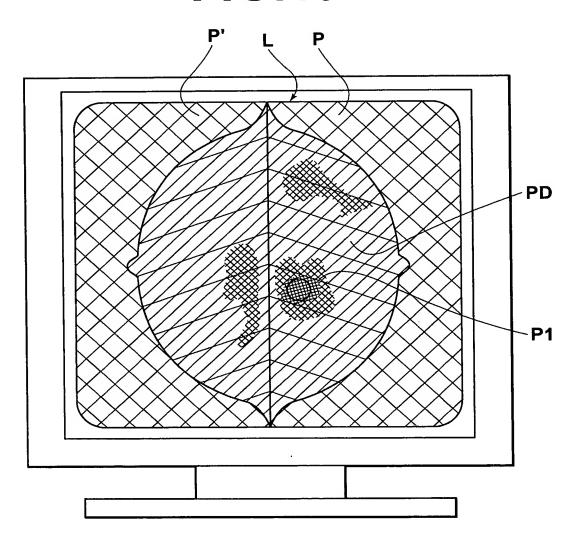
Inventors: H. TAKEO et al.
Appln No.: To be Assigned; Filed 10-15-03
"Abnormal Pattern Candidate Detection
Processing Method and System"
D. Mexic Tel. No. 202-293-7060; Ref.: Q77911
10 of 17







Inventors: H. TAKEO et al.
Appln No.: To be Assigned; Filed 10-15-03
"Abnormal Pattern Candidate Detection
Processing Method and System"
Mexic Tel. No. 202-293-7060; Ref.: Q77911 D. Mexic **→** IMAGE OUTPUT MEANS DISTRIBUTION IMAGE SIGNAL FORMING MEANS 330 325 P G MALIGNANCY CERTAINTY DEGREE CALCULATING MEANS FIG.18 320 P,P1 310 ABNORMAL PATTERN CANDIDATE DETECTING MEANS



-- MALIGNANT 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 FIG.20 0.0% 10.0% 20.0% 30.0% 100.0% 80.0% 70.0% %0.09 50.0% 40.0% %0.06

MALIGNANT PATTERN DETECTION RATE

Inventors: H. TAKEO et al. Appln No.: To be Assigned; Filed 10-15-03 "Abnormal Pattern Candidate Detection

Processing Method and System" D. Mexic Tel. No. 202-293-7060; Ref.: Q77911

16 of 17

THRESHOLD VALUE OF LIKEHOOD RATIO Y OF MAHALANOBIS DISTANCE AT THE TIME OF DETECTION OF THE ABNORMAL PATTERN CANDIDATE

